FOUR - ARM HIGH RESOLUTION CONTINUOUS DIPMETER

COUNTY	LINCOLN
FIELD or LOCATION	WILDCAT
WELL	FEDERAL #1
COMPANY	TEXACO, INC.

COMPANY TEXACO, INC.

WELL FEDERAL #1

FIELD WILDCAT

COUNTY LINCOLN STATE NEVADA

LOCATION

Sec. 18 Twp. 12S Rge. 65E

Other Services:

Permanent Datum GL, Elev.

Log Measured From KB 22 Ft. Above Perm. Datum

Drilling Measured From KB

Elev.: K.B. 3696 D.F. G.L. 3674

Date	12-4-72
Run No.	ONE
Depth—Driller	7030
Depth—Logger	7028
Btm. Log Interval	7026
Top Log Interval	4000
Casing—Driller	10¾" @ 1400
Casing—Logger	
Bit Size	9⅞"
Type Fluid in Hole	FGM

CONFIDENTIAL

Run No.	1	2	3	4
Tool Type		HDT-C		
HDM No.		729-D		
Magnetic Declination		N 15 E		
Analog Panel No.		719-C		
Digital Panel No.		715-C		
Correlated By		UNIV 1108		
Computed By		UNIV 1108		
Plotted By		CAL COMP		

Remarks — QUALITY INDICATIONS: CIRCLE-EXCELLENT, SQUARE-GOOD, DIAMOND-FAIR, CROSS-POOR. U.V.U.K707. DUE TO TOOL PROBLEMS, THIS DIPMETER WAS RECORDED FROM 4000'-6556' WITH HOLE DEVIATION SPECIFIED AS ZERO FROM 6556' TO TD, DEVIATION, RELATIVE BEARING, AND CALIBER VALUES WERE OBTAINED FROM ANALOG.

TABLE OF VERTICAL DISPLACEMENT IN FEET CORRESPONDING TO VARIOUS HORIZONTAL DISTANCES AND ANGLES OF DIP

DIP ANGLES (degrees)	100'	1000'	1 mile (5280')
1	1.75	17.5	92.2
2	3.5	35.	184.
3	5.2	52.	277.
4	7.0	70.	369.
5	8.8	88.	462.
6	10.5	105.	555.
7	12.3	123.	648.
8	14.1	141.	742.
9	15.8	158.	836.
10	17.6	176.	931.
11	19.4	194.	1026.
12	21.3	213.	1122.
13	23.1	231.	1219.
14	24.9	249.	1316.
15	26.8	268.	1415.
16	28.7	287.	1514.
17	30.6	306.	1614.
18	32.5	325.	1716.

DIP ANGLES (degrees)	100'	1000'	1 mile (5280')
19	34.4	344.	1818.
20	36.4	364.	1922.
21	38.4	384.	2027.
22	40.4	404.	2133.
23	42.5	425.	2241.
24	44.5	445.	2351.
25	46.6	466.	2462.
30	57.7	577.	3048.
35	70.0	700.	3697.
40	83.9	839.	4430.
45	100.0	1000.	5280.
50	119.2	1192.	6293.
55	142.8	1428.	7540.
60	173.2	1732.	9145.
65	214.4	2144.	11323.
70	274.8	2748.	14507.
75	373.2	3732.	19705.
80	567.1	5671.	29945.

To obtain vertical displacements corresponding to multiples of hundreds feet, thousands of feet or miles, multiply the number found in the table by the number of hundreds, thousands or miles.

Example: The formation dip is 16 degrees. The vertical displacement occurring at a spot 660 feet away from the well is desired. The table shows 28.7 feet per 100 feet for 16° dip. Therefore 28.7 × 6.60 = 189.42, or 189. feet.

GRAPHIC PRESENTATION

COMPANY	TEXACO, INC.
WELL	FEDERAL #1
FIELD	WILDCAT
COUNTY	LINCOLN
STATE	NEVADA

Rm 3.00 @ 88 °F
Rmf 3.04 @ 59 °F
Rmc 3.65 @ 59 °F
BHT 111 °F

SCHL. FR 7026
SCHL. TD 7028
DRLR TD 7030
Elev: KB 3696 DF GL 3674